



PATENT ABSTRACTS OF JAPAN

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NUMAO KOJI**(54) **LIQUID CRYSTAL DISPLAY DEVICE**

as at the pixel cells Ca, Cb.

(57) Abstract:

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PROBLEM TO BE SOLVED: To provide a liquid crystal display device for displaying a uniform gradation level in the pixels, corresponding to each gate line when a backlight is turned on, in contrast to the case of not completely ending the response of the liquid crystal.

SOLUTION: A liquid crystal display element is provided with n gate lines and m data lines and comprises pixel cells which are arranged in a matrix form, corresponding to the intersections of the gate lines and data lines. In a liquid crystal display device, which is provided with the liquid crystal display element and where a selection signal to the a-th gate line to be scanned (a is an integer where $1 \leq a \leq n$) is applied at a time t_a , and a selection signal to the b-th gate line (b is an integer, $b \neq a$ and $1 \leq b \leq n$) is applied at a time t_b , and backlight made incident on a pixel cell Ca corresponding to the a-th gate line and a pixel cell Cb, corresponding to the b-th gate line, is turned on and off almost simultaneously, a voltage level regulating means is provided for adjusting the voltage levels to be applied to the pixel cells Ca, Cb, so as to obtain almost the same level of luminance

